

**Amendments to the Specification**

Please replace the paragraph beginning on page 4, line 8 and ending on page 4, line 13 with the following amended paragraph:

To enable highly focused chemical classification and/or detection, a specific translucent chemical layer or layers is/are applied to a surface of the Fabry-Perot cavity. This chemical layer is chosen to be reactive with an agent whose presence or lack of presence is desired to be known. While it is envisioned that a wide-variety of chemical layers may be used with such the cavity, a porphyrin layer including those of the category of ~~metalloporphyrins~~ metalloporphyrins will be further described by way of example herein.